

Line serves for pouring PU mixture to the open moulds  
Power 10 - 70 ml per sec



#### **Double-skin Containers Without Pressure For Isocyanate And Polyol**

- volume of containers is 250 l, are equipped with stirrers with electric motor
- material hopper on the cover of each container is equipped by silica-gel air drying
- cooling and heating by oil and circulatory pumps
- indicating of oil level increase
- heating of oil by electric convector, cooling by cooling unit with closed circuit
- continuous level indication of each component on the main control panel and touch LCD display
- each container is equipped with pump for filling of containers from barrels
- heated suction pipeline for components

#### **Component Dosing**

- two accurate dosing gear pump with cycloidal gear box and electromotor
- components are cleaned before entering the pumps, shell of filter is heated
- pumps are heated
- reading of component pressure with blocking of pump running during overrunning of maximal value



#### **Head Suspension**

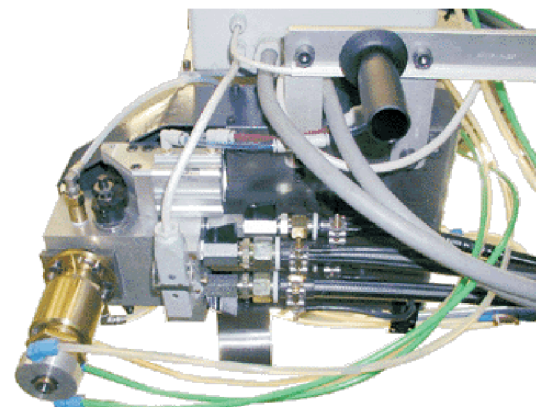
- mixing head is fixed on the carrier, what is longitudinally moved on the arm
- automatic longitudinal movement over the unit by pneumatic cylinder
- automatic longitudinal movement of carrier with head over the unit
- manual, crosswise movement of arm on the arc frame of form carrier
- after pressing START button on the head carrier is position during pouring automatically stabilized by brake of crosswise movement
- position of head with respect to the axe of units is read by inductive sensors
- position, in which the unit is situated, is displayed on the touch LCD display

#### **Mixing Head**

- is constructed for two PUR components, with the possibility of supply of colour concentrate
- coloring device (container for colours) can be bought individually, see accessories
- inlet for rinsing by rinsing medium and blowing
- mixing of both component is executed by rotary mixer with electromotor over the toothed belt
- setting up of the accurate revolutions of mixer is displayed on the LCD display (RPM)
- inlet and recycling pressure hoses are heated
- mixing chamber is equipped with the cooling shell for water cooling from external aggregate

#### **Rinsing Of Mixing Head**

- pressure tank with the volume of 45l
- continuous indication of level on the main switchboard and on the LCD display
- emergency control of rinsing



### Units Moulds Bracket

- construction is made of 6, 12, 18 or 24 modular sections
- unit for fixing of two-piece or three-piece moulds with the maximal volume W240xL420xH230mm
- units opening and closing by the pneumatic cylinder with mechanical lock during closing- fully electric control for each unit
- closing is two-hand after pouring is automatic or manual opening is automatic or manual
- setting up of lean of unit with range  $\pm 10^\circ$
- each lower desk of unit is heated adjustable regulation always for 6 units

### Main Switchboard

- control of motors for container filling, of stirrers, of heating and cooling pumps and of dosing pumps
- set up and regulation of temperature of heated hoses, of oil, of dosing pumps and filters
- display of components temperature in containers for POLYOL and ISOCYANATE
- setting up and control of unit temperature, common for 6 units
- blocking of running during the deviation of actual temperature and set temperature
- display of level of POLYOL and ISOCYANATE
- blocking of running during shortage of one of component and during the rinsing
- switch "holding operation" for saving of energy during shot-down of production
- automatic switching off dosing pumps during overrun of maximal pressure
- colour touch LCD display



### Colour Touch LCD Display

- setting up of desired flow rate of mixture from head (ml/s)
- setting up of desired volume rate of ISOCYANATE to 100% of POLYOL
- counter for cycles of pouring, rinsing, operating hour, number of product
- setting up of doses for each unit individually (ml)
- calculated time is automatically displayed from setting dose and discharge
- setting up of time and of day in the week for automatic switching of heating the moulds (preheating before starting the production)
- setting up of correct revolutions of head stirrer for pouring and individually for rinsing RPM
- setting up of production batch for regular notice to the number of made products
- setting up of time for looping the operation of stirrers of components in containers and pumps for oil
- report "rinsing necessary" if the material stays in head without rinsing for longer time than is setting
- possibility of prevention of change the important technical parameters by the help of password
- operating report ("minimal level", "air pressure decrease", "temperature out of working range"
- breakdown report ("circuit breaker breakdown", "failure phase", "button error" ....)



### Control Panel Next To The Head

- switch / switch off of electromotor for head of stirrer
- control of carrier brakes and arm
- control of backsplash, pouring, rinsing and blowing
- switch / switch off of the inlet of colour concentrate 1 and 2
- touch monochrome LCD display for setting and control of the device state
- function of "start" button placed in grip is automatically changed according the position of head

### Accessories:



Double component  
colouring device  
PU mixture  
"Container For Colours"

Drier of air

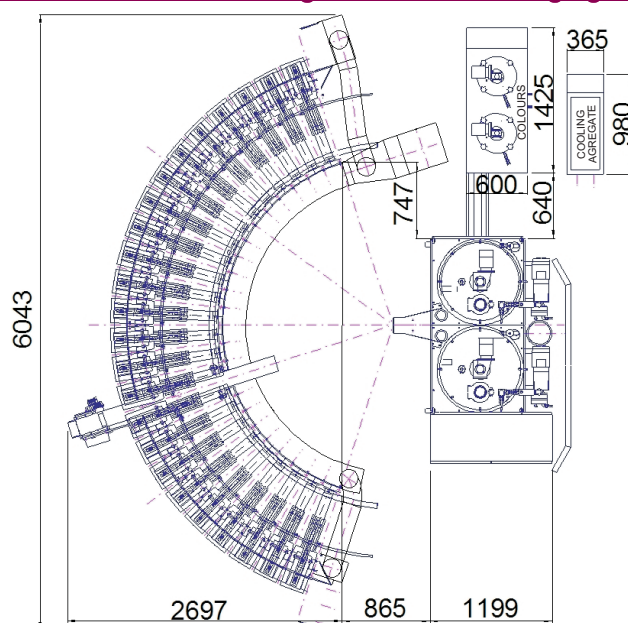


Boil container for  
cleaning of head parts

Cleaner on heat  
PU CLEANER 5001



### Dimensions: 24 units with colouring device and cooling aggregate



Agency

Cat. No.P04001UK E3